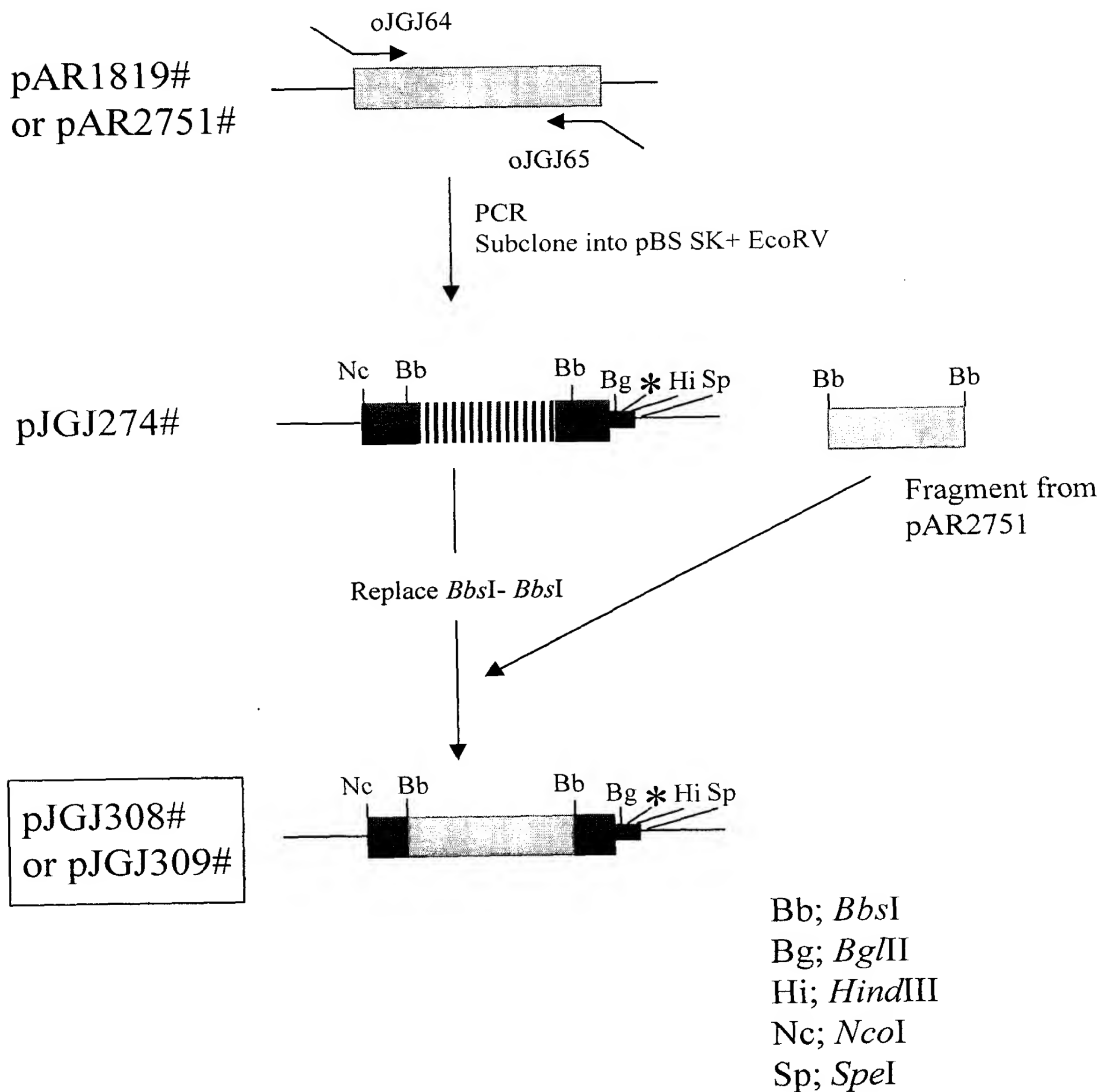


# Figure 1

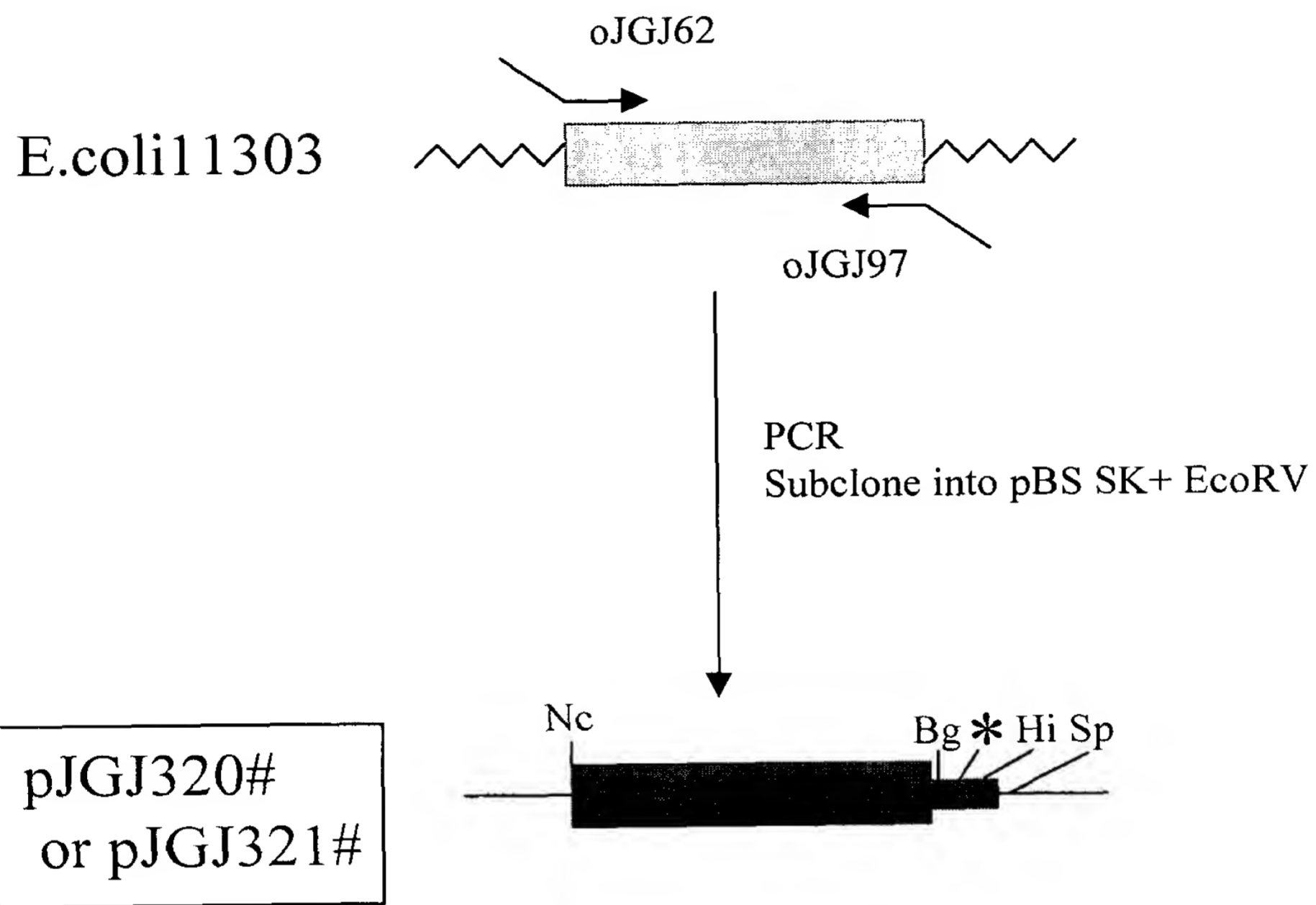
## T7 DNA polymerase (Gene5)



202505241500

# Figure 2

## TrxA gene



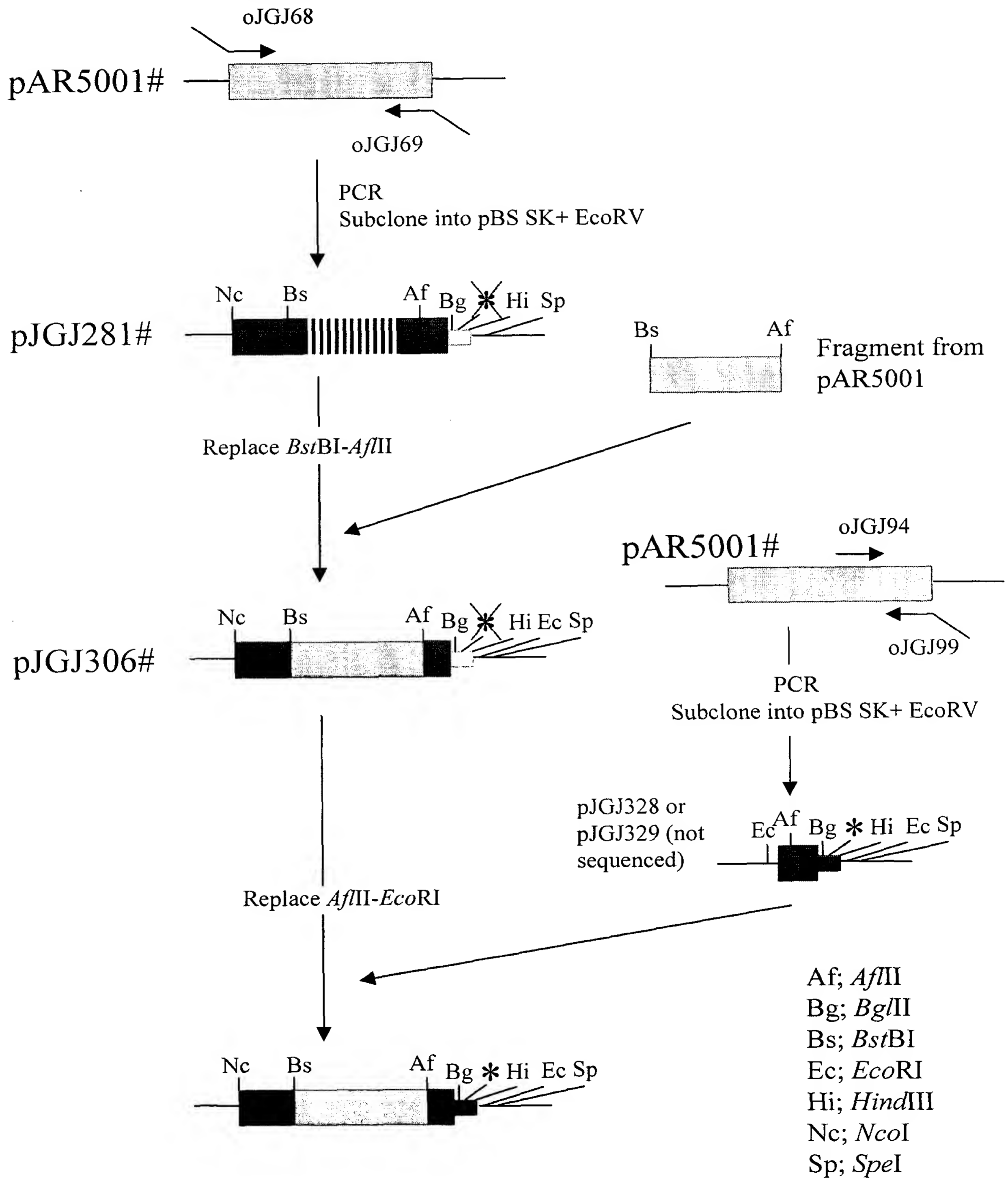
Bg; *Bgl*II  
 Hi; *Hind*III  
 Nc; *Nco*I  
 Sp; *Spe*I

Downloaded from www.sciencedirect.com

# Figure 3

## T7 gene 4A' primase/helicase

T01E30" 5T244660

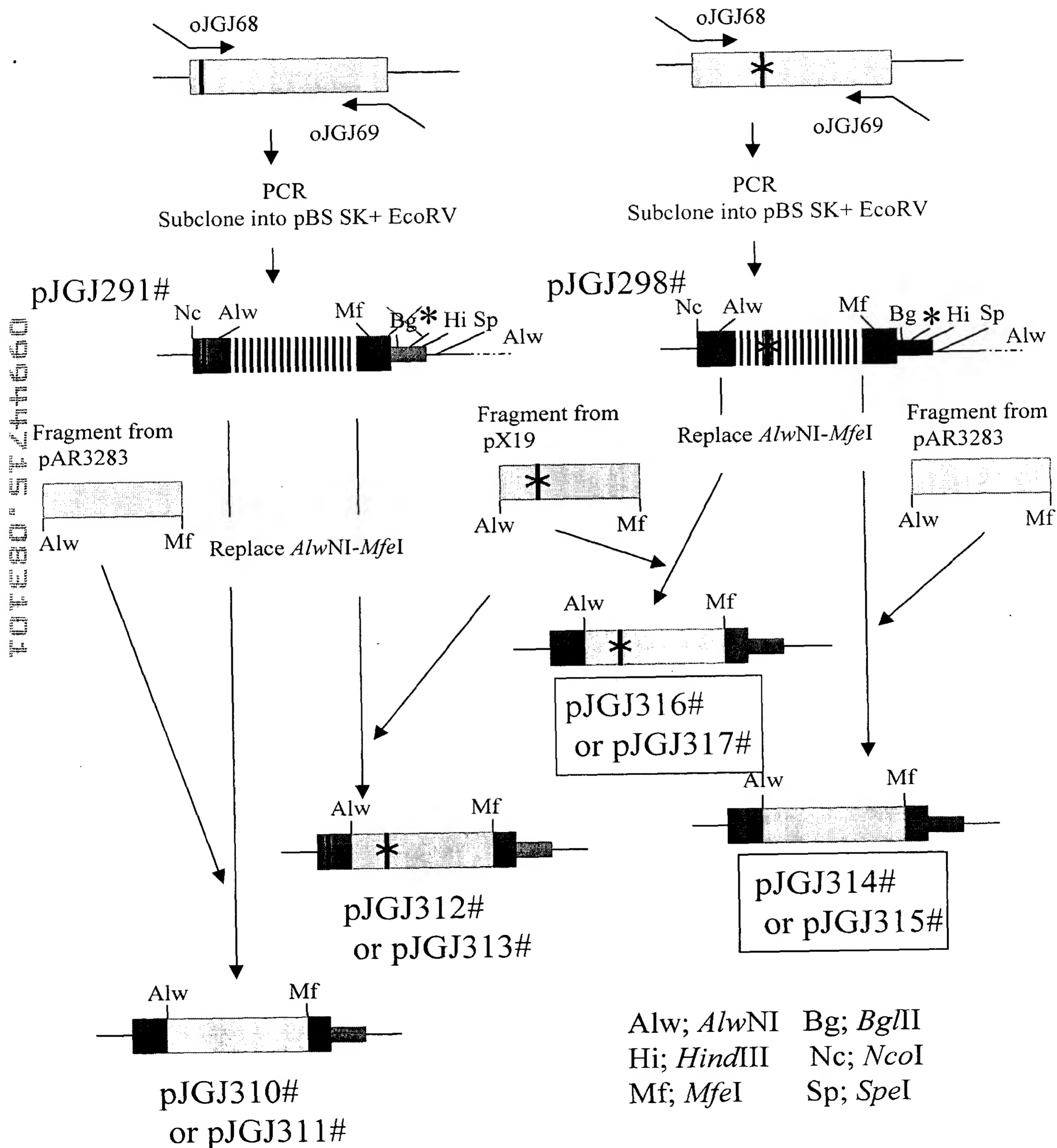


# Figure 4

## T7 RNA polymerase genes

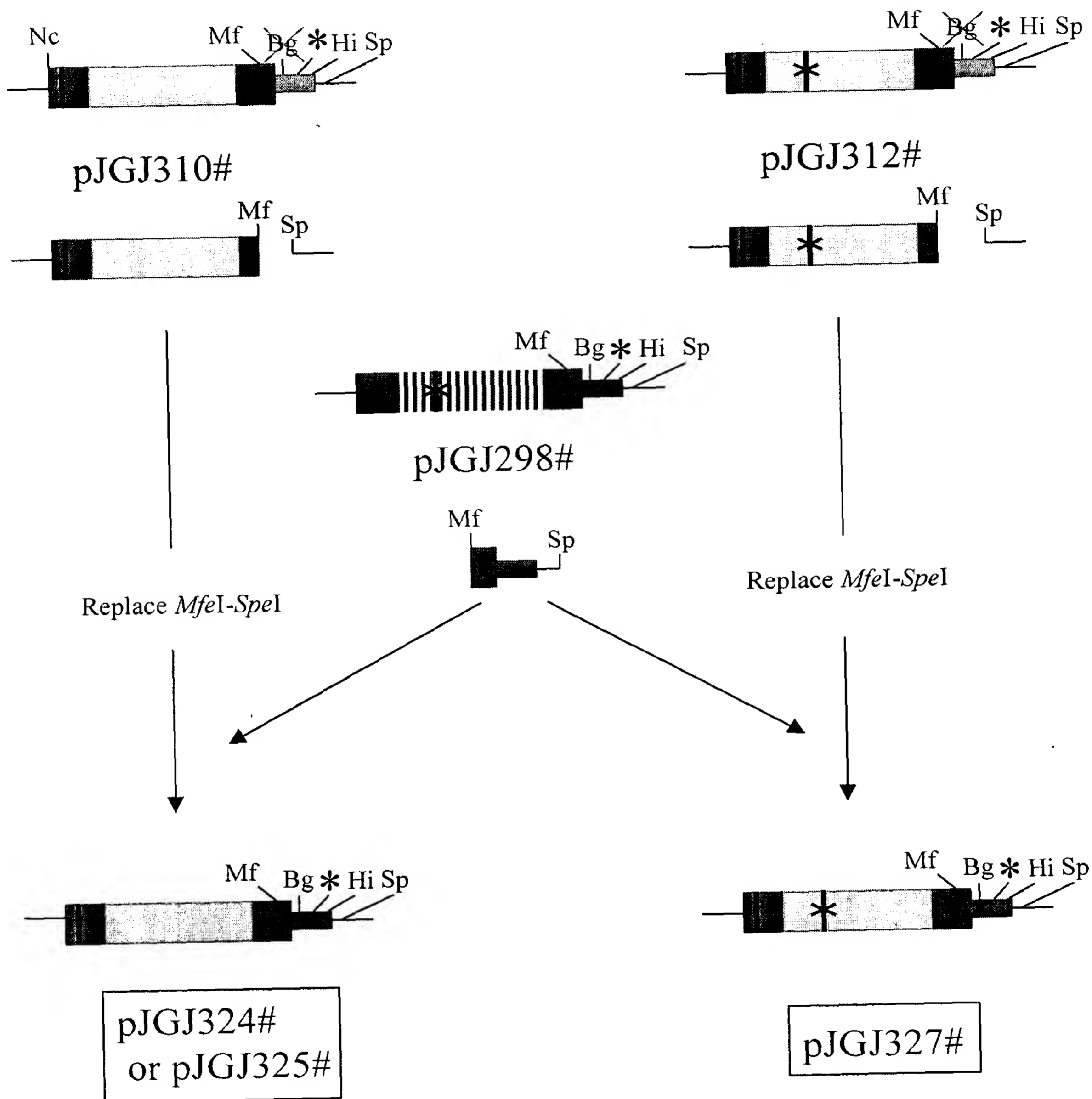
pAR3283# (w/nuc loc)

pX19# (A465Tmutation)



# Figure 5

## T7 RNA polymerase



Bg; *Bgl*II  
 Hi; *Hind*III  
 Mf; *MfeI*  
 Nc; *NcoI*  
 Sp; *SpeI*

**Figure 6**

Generalized Subcloning into pCAMBIA vectors

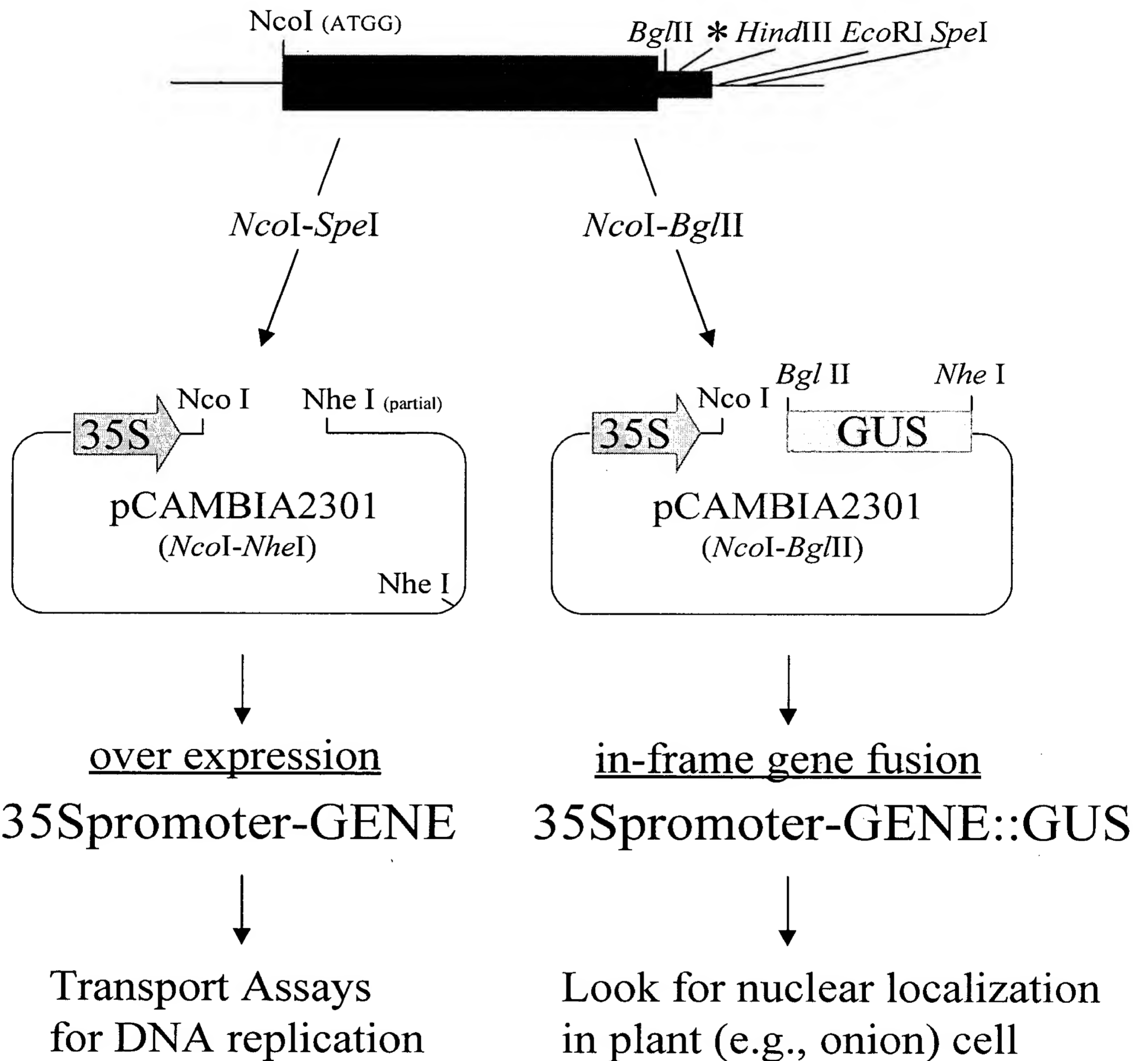
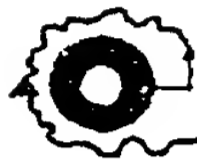


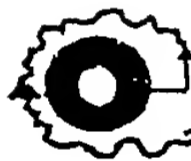
Figure 7 Rolling circle replication of artificial episomes



Artificial episome with T7 promoter and lox site.



Leading strand DNA synthesis by T7 DNA pol, resulting in rolling circle type replication



Lagging strand DNA synthesis by T7 Helicase/primase with T7 DNA polymerase. Resulting in linear concatemers of artificial episome.



CRE



CRE recombinase deconcatenates artificial episomes into separate circular molecules that each can initiate another round of rolling circle replication.